1-38. (Canceled)

Appl. No. 08/984,059 Group: 2675

CLAIM SET AS AMENDED

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39. (Currently Amended) An external display device of a refrigerator comprising:

a display unit on a door in the refrigerator, showing information on the state of the refrigerator;

at least one user-select key on the door;

a sub control unit at the door, said sub control unit receiving and transmitting signals generated by pressing the key and controlling the display unit;

a main control unit at a main body of the refrigerator, said main control unit controlling operations of internal devices in the refrigerator and communicating with the sub control unit;

a hinge unit mounted on the refrigerator and supporting the door; and

a communication means having a voltage supply line for supplying the supply voltage for the main control unit, the sub control unit and the display unit, and a signal line for transmitting data to each other, said communication means passing through the hinge unit, said sub control unit and said main control unit determining whether a right of data transmission is assigned to themselves before transmitting data to each other.

a communication means connecting to the main control unit and the sub control unit, said communication means passing through the hinge unit.

- 40. (Previously Presented) The device of claim 39, wherein the main control unit and the sub control unit communicate with each other in serial data transmission.
- 41. (Previously Presented) The device of claim 39, wherein the main control unit and the sub control unit communicate with each other in asynchronous serial data transmission.
 - 42. (New) A refrigerator comprising:
 - a body for holding food;
 - a door for covering an opening to said body;
 - a hinge connecting said body and said door;
- a display unit mounted to said door for showing information on the state of said refrigerator;
 - at least one user-select key on said door;
- a sub control unit physically connected to said door for controlling said display unit and for receiving signals generated by actuation of said at least one user-select key on the door;
- a main control unit physically connected to said body, said main control unit connected to and controlling operations of a plurality of internal devices in said body, and said main control unit communicating with said sub control unit; and

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a communication channel connecting said main control unit and said sub control unit.

- 43. (New) The refrigerator of claim 42, wherein said communication channel passes through said hinge.
- 44. (New) The refrigerator of claim 42, wherein the main control unit communicates with said internal devices through wires.
- 45. (New) The refrigerator of claim 42, wherein the main control unit communicates with the sub control unit through a wire.
- 46. (New) The refrigerator of claim 42, wherein the sub control unit communicates with the display unit through wires.
- 47. (New) The refrigerator of claim 42, wherein the main control unit and the sub control unit communicate with each other in serial data transmission.
- 48. (New) The refrigerator of claim 42, wherein the main control unit and the sub control unit communicate with each other in asynchronous serial data transmission.